



PROCESS FOR PREPARING THERMOPLASTIC RESIN
HAVING SUPERIOR HEAT-STABILITY

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This application claims priority of Korea patent Application No. 2000-0037710,
5 filed on July 3, 2000, the content of which is incorporated herein by reference.

BACKGROUND OF THE INVENTION

(a) Field of the Invention

10 The present invention relates to a process for preparing a heat-resistant thermoplastic resin, more particularly to a process for preparing a heat-resistant thermoplastic resin having superior heat-stability prepared by mixing a graft ABS polymer and a heat-resistant copolymer.

15 **(b) Description of the Related Art**

Recently, in order to produce automobile having a lightweight and electric goods requiring heat resistance such as an electric rice cooker, a microwave oven etc.,
researches on providing heat resistant in acrylonitrile- butadiene-styrene (ABS) resin having superior impact resistance, chemical resistance, and processability etc. have been
20 conducted

As a method for preparing the ABS resin having a heat resistance discloses preparation by mixing blending a copolymer having a superior heat resistance with a graft ABS polymer has been suggested. As such a method, substituting a part or total amount of styrene used in the preparation of a copolymer having heat-resistance to be
25 kneaded with α -methyl styrene having good heat-resistance (U. S. Patent Nos. 3,010,936 and 4,659,790), incorporating maleimide compound (Japanese Patent Laid-open publication Nos. sho 58-206657, sho 63-162708, sho 63-235350, and U. S. Patent No. 4,757,109), blending polycarbonate resin, charging inorganic material etc. are known.

However, the method of using maleimide compound to give heat resistant and the
30 method of blending polycarbonate resin have the problem of reducing processability and are not economical due to expensive cost. The method charging inorganic material has a